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Project Name: PACKAGE 1 8-17-2011
Description: S LINE
Horizontal Alignment Name: S LINE_NORTH
Description:
Style: Default

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	STATION	NORTHING	EASTING
Element: Linear			
POB ()	10371+69.71	2202756.79	6278426.56
TS ()	10435+50.99	2197814.58	6282463.32
Tangent Direction:	S 39^14'30" E		
Tangent Length:	6381.28		
Element: Cosine			
TS ()	10435+50.99	2197814.58	6282463.32
SPI ()	10449+56.36	2196726.15	6283352.34
SC ()	10455+50.99	2196279.23	6283744.81
Entrance Radius:	0.00		
Exit Radius:	28000.00		
Length:	2000.00		
Angle:	2^02'47" Left		
Constant:	7483.31		
Long Tangent:	1405.36		
Short Tangent:	594.79		
Long Chord:	1999.88		
Xs:	1999.77		
Ys:	21.24		
P:	3.38		
K:	999.98		
Tangent Direction:	S 39^14'30" E		
Radial Direction:	S 50^45'30" W		
Chord Direction:	S 39^51'01" E		
Radial Direction:	S 48^42'43" W		
Tangent Direction:	S 41^17'17" E		
Element: Circular			
SC ()	10455+50.99	2196279.23	6283744.81
PI ()	10475+25.93	2194795.26	6285047.96
CC ()		2214754.86	6304784.08
CS ()	10494+94.34	2193508.90	6286546.51
Radius:	28000.00		
Delta:	8^04'09" Left		
Degree of Curvature(Arc):	0^12'17"		
Length:	3943.35		
Tangent:	1974.94		
Chord:	3940.09		
Middle Ordinate:	69.39		
External:	69.56		
Tangent Direction:	S 41^17'17" E		
Radial Direction:	S 48^42'43" W		
Chord Direction:	S 45^19'21" E		
Radial Direction:	S 40^38'34" W		
Tangent Direction:	S 49^21'26" E		
Element: Cosine			
CS ()	10494+94.34	2193508.90	6286546.51
SPI ()	10500+89.13	2193121.49	6286997.83
ST ()	10514+94.34	2192244.78	6288096.20
Entrance Radius:	28000.00		
Exit Radius:	0.00		
Length:	2000.00		
Angle:	2^02'47" Left		
Constant:	7483.31		
Long Tangent:	1405.36		
Short Tangent:	594.79		
Long Chord:	1999.88		
Xs:	1999.77		
Ys:	21.24		
P:	3.38		
K:	999.98		
Tangent Direction:	S 49^21'26" E		
Radial Direction:	S 40^38'34" W		
Chord Direction:	S 50^47'42" E		
Radial Direction:	S 38^35'48" W		
Tangent Direction:	S 51^24'12" E		
Element: Linear			
ST ()	10514+94.34	2192244.78	6288096.20
TS ()	10645+75.84	2184084.11	6298320.14

Tangent Direction:	S 51^24'12" E		
Tangent Length:	13081.49		

Element: Cosine

TS ()	10645+75.84	2184084.11	6298320.14
SPI ()	10654+19.01	2183558.11	6298979.13
SC ()	10657+75.84	2183333.13	6299256.10
Entrance Radius:	0.00		
Exit Radius:	70016.50		
Length:	1200.00		
Angle:	0^29'28" Right		
Constant:	9166.23		
Long Tangent:	843.17		
Short Tangent:	356.83		
Long Chord:	1200.00		
Xs:	1199.99		
Ys:	3.06		
P:	0.49		
K:	600.00		
Tangent Direction:	S 51^24'12" E		
Radial Direction:	S 38^35'48" W		
Chord Direction:	S 51^15'27" E		
Radial Direction:	S 39^05'15" W		
Tangent Direction:	S 50^54'45" E		

Element: Circular

SC ()	10657+75.84	2183333.13	6299256.10
PI ()	10663+77.33	2182953.88	6299722.97
CC ()		2128987.48	6255110.19
CS ()	10669+78.80	2182566.67	6300183.25
Radius:	70016.50		
Delta:	0^59'04" Right		
Degree of Curvature(Arc):	0^04'55"		
Length:	1202.96		
Tangent:	601.49		
Chord:	1202.95		
Middle Ordinate:	2.58		
External:	2.58		
Tangent Direction:	S 50^54'45" E		
Radial Direction:	S 39^05'15" W		
Chord Direction:	S 50^25'13" E		
Radial Direction:	S 40^04'19" W		
Tangent Direction:	S 49^55'41" E		

Element: Cosine

CS ()	10669+78.80	2182566.67	6300183.25
SPI ()	10673+35.63	2182336.96	6300456.32
ST ()	10681+78.80	2181788.66	6301096.87
Entrance Radius:	70016.50		
Exit Radius:	0.00		
Length:	1200.00		
Angle:	0^29'28" Right		
Constant:	9166.23		
Long Tangent:	843.17		
Short Tangent:	356.83		
Long Chord:	1200.00		
Xs:	1199.99		
Ys:	3.06		
P:	0.49		
K:	600.00		
Tangent Direction:	S 49^55'41" E		
Radial Direction:	S 40^04'19" W		
Chord Direction:	S 49^34'59" E		
Radial Direction:	S 40^33'47" W		
Tangent Direction:	S 49^26'13" E		

Element: Linear

ST ()	10681+78.80	2181788.66	6301096.87
TS ()	10695+12.00	2180921.70	6302109.69
Tangent Direction:	S 49^26'13" E		
Tangent Length:	1333.20		

Element: Cosine

TS ()	10695+12.00	2180921.70	6302109.69
SPI ()	10709+17.36	2180007.82	6303177.33
SC ()	10715+12.00	2179605.16	6303615.10
Entrance Radius:	0.00		
Exit Radius:	28016.50		
Length:	2000.00		

Angle:	2^02'42" Right		
Constant:	7485.52		
Long Tangent:	1405.36		
Short Tangent:	594.79		
Long Chord:	1999.88		
Xs:	1999.77		
Ys:	21.23		
P:	3.38		
K:	999.98		
Tangent Direction:	S 49^26'13" E		
Radial Direction:	S 40^33'47" W		
Chord Direction:	S 48^49'44" E		
Radial Direction:	S 42^36'29" W		
Tangent Direction:	S 47^23'31" E		

Element: Circular

SC ()	10715+12.00	2179605.16	6303615.10
PI ()	10725+68.61	2178889.85	6304392.77
CC ()		2158984.95	6284648.51
CS ()	10736+24.23	2178118.00	6305114.36
Radius:	28016.50		
Delta:	4^19'11" Right		
Degree of Curvature(Arc):	0^12'16"		
Length:	2112.24		
Tangent:	1056.62		
Chord:	2111.74		
Middle Ordinate:	19.90		
External:	19.92		
Tangent Direction:	S 47^23'31" E		
Radial Direction:	S 42^36'29" W		
Chord Direction:	S 45^13'56" E		
Radial Direction:	S 46^55'40" W		
Tangent Direction:	S 43^04'20" E		

Element: Cosine

CS ()	10736+24.23	2178118.00	6305114.36
SPI ()	10742+19.02	2177683.51	6305520.55
ST ()	10756+24.23	2176623.31	6306443.05
Entrance Radius:	28016.50		
Exit Radius:	0.00		
Length:	2000.00		
Angle:	2^02'42" Right		
Constant:	7485.52		
Long Tangent:	1405.36		
Short Tangent:	594.79		
Long Chord:	1999.88		
Xs:	1999.77		
Ys:	21.23		
P:	3.38		
K:	999.98		
Tangent Direction:	S 43^04'20" E		
Radial Direction:	S 46^55'40" W		
Chord Direction:	S 41^38'07" E		
Radial Direction:	S 48^58'22" W		
Tangent Direction:	S 41^01'38" E		

Element: Linear

ST ()	10756+24.23	2176623.31	6306443.05
POE ()	10907+58.91	2165205.75	6316377.72
Tangent Direction:	S 41^01'38" E		
Tangent Length:	15134.68		